RAW SEQUENCE LISTING
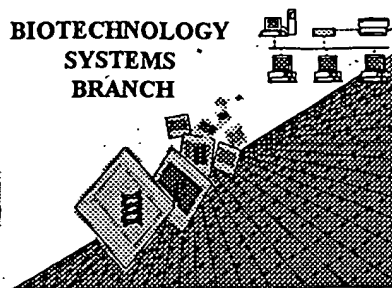# ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/017,682_

Source: _OIPE_

Date Processed by STIC: _1/10/2002_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:
1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   > Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: _10/017,682_ |

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOF

1 _____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length

Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0 "bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences (OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading).
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences (NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's (NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10 _____ Invalid <213> Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0 "bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

RAW SEQUENCE LISTING   DATE: 01/10/2002
PATENT APPLICATION: US/10/017,682   TIME: 14:50:27   *pp 1-2*

Input Set : A:\4153.app   **Does Not Comply**
Output Set: N:\CRF3\01102002\J017682.raw   **Corrected Diskette Needed**

```
 3 <110> APPLICANT: Akhavan-Tafti, Hashem
 5 <120> TITLE OF INVENTION: METHODS OF SYNTHESIZING POLYNUCLEOTIDES BY LIGATION OF
 6        MULTIPLE OLIGOMERS
 8 <130> FILE REFERENCE: LUM-4.1-53
10 <140> CURRENT APPLICATION NUMBER: US/10/017,682
11 <141> CURRENT FILING DATE: 2001-12-12
13 <160> NUMBER OF SEQ ID NOS: 7
15 <170> SOFTWARE: PatentIn Ver. 2.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 24
19 <212> TYPE: DNA
20 <213> ORGANISM: primer      see item 10 on Erro Summary Sheet
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23 acttcacttc taatgatgat tatg                              24
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 24
27 <212> TYPE: DNA
28 <213> ORGANISM: primer
30 <400> SEQUENCE: 2
31 ctcttctagt tggcatgctt tgat                              24
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 26
35 <212> TYPE: DNA
36 <213> ORGANISM: primer
38 <400> SEQUENCE: 3
39 agtggaagaa tttcattctg ttctca                            26
41 <210> SEQ ID NO: 4
42 <211> LENGTH: 25
43 <212> TYPE: DNA
44 <213> ORGANISM: primer
46 <400> SEQUENCE: 4
47 attaagcaca gtggaagaat ttcat                             25
49 <210> SEQ ID NO: 5
50 <211> LENGTH: 65
51 <212> TYPE: DNA
52 <213> ORGANISM: DNA template
54 <400> SEQUENCE: 5
55 ttaatggtgc caggcataat ccaggaaaac tgagaacaga atgaaattct tccactgtgc 60
56 ttaat                                                  65
58 <210> SEQ ID NO: 6
59 <211> LENGTH: 21
60 <212> TYPE: DNA
61 <213> ORGANISM: primer
63 <400> SEQUENCE: 6
64 gaaaccagct tcaaggcact g                                 21
66 <210> SEQ ID NO: 7
67 <211> LENGTH: 21
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RAW SEQUENCE LISTING   DATE: 01/10/2002
PATENT APPLICATION: US/10/017,682   TIME: 14:50:27

Input Set : A:\4153.app
Output Set: N:\CRF3\01102002\J017682.raw

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68 <212> TYPE: DNA
69 <213> ORGANISM: primer
71 <400> SEQUENCE: 7
72 attcagtgcc atgggacata g                                      21
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/017,682

DATE: 01/10/2002
TIME: 14:50:28

Input Set : A:\4153.app
Output Set: N:\CRF3\01102002\J017682.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date